



2541 East University Drive • Phoenix AZ 85034 • 602-267-1900 • Fax 602-267-1973

May 8, 2014

Mr. Russell Ray
Environmental Operations Manager
Fort Mojave Indian Tribe
500 Merriman Avenue
Needles, California 92363

Re: First Quarter 2014 Groundwater Monitoring Report
Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440

EPA Site ID FTMO-005
EN TECH Project No. 2789

Dear Mr. Ray:

Enclosed is the ***First Quarter 2014 Groundwater Monitoring Report*** (Report) for the above referenced facility. Included within is a description of the activities performed by Environmental Technology, Inc. (EN TECH®) on behalf of the Fort Mojave Indian Tribe from January 1, 2014 through April 10, 2014. Those activities included groundwater monitoring, free product checks, and groundwater sampling.

If you have any questions or require additional information with regard to this project, please contact me at your convenience.

Sincerely,

A handwritten signature in blue ink, appearing to read "Carney D. Miller".

Carney D. Miller, AEP, CIPS
Senior Project Manager

Enclosures

cc: File



2541 East University Drive • Phoenix AZ 85034 • 602-267-1900 • Fax 602-267-1973

**FIRST QUARTER 2014
GROUNDWATER MONITORING REPORT**

**Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440**

EPA Site ID FTMO-005

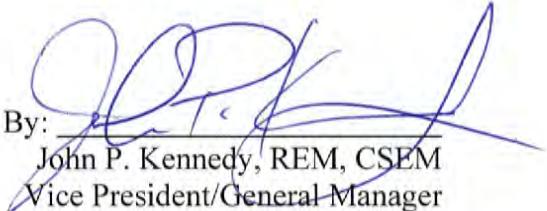
EN TECH Project No. 2789

May 8, 2014

Prepared By:


Carney D. Miller, AEP, CIPS
Senior Project Manager

Reviewed By:


John P. Kennedy, REM, CSEM
Vice President/General Manager

Reviewed By:



TABLE OF CONTENTS

INTRODUCTION	1
WATER LEVEL MONITORING	1
EVALUATION OF WATER LEVEL DATA	1
GROUNDWATER SAMPLING.....	2
EVALUATION OF GROUNDWATER SAMPLE DATA	3
FREE PRODUCT	4
FUTURE FIELD ACTIVITIES.....	5
LIMITATIONS.....	6
 TABLES	7
Table 1. Water Level Measurement & Calculations.....	8
Table 2. Summary of Groundwater Gradient Calculations.....	9
Table 3. Summary of Laboratory Analysis of Groundwater Samples – March 19, 2014.....	10
Table 4. Summary of Laboratory Analysis of Groundwater Samples – April 10, 2014.....	11
Table 5. Free Product Recovery Data	12
 FIGURES	13
Figure 1. Site Vicinity Map.....	14
Figure 2. Site Plan	15
Figure 3. Hydrograph	16
Figure 4. Groundwater Contour Map – January 8, 2014	17
Figure 5. Groundwater Contour Map – February 26, 2014	18
Figure 6. Groundwater Contour Map – March 19, 2014	19
Figure 7. Groundwater Contour Map – April 10, 2014	20
Figure 8. GRO Isocontour Map – March 19, 2014.....	21
Figure 9. Benzene Isocontour Map – March 19, 2014.....	22
 APPENDIX A. Laboratory Reports & Chain-of-Custody Documentation	23
APPENDIX B. Field Parameter Measurements	24

INTRODUCTION

This Report documents and discusses the activities performed by Environmental Technology, Inc. (EN TECH[®]) at the Fort Mojave Smoke Shop from January 1, 2014 through April 10, 2014. The Fort Mojave Smoke Shop is located at 8501 South Highway 95, Mohave Valley, Arizona. See Figures 1 and 2 for a Site Vicinity Map and a Site Plan drawing. Field activities performed by EN TECH during the reporting period included the field measurement of groundwater levels, measurement of free product levels, and sampling and laboratory analysis of groundwater from the facility's monitoring wells. The field activities were performed as requested in US EPA Region IX correspondence ***Long-term Release Response and Corrective Action for UST Systems-Groundwater Monitoring Required, Fort Mojave Smoke Shop, Mohave Valley, AZ (EPA Site ID: FTMO-005)***, dated January 14, 2014.

WATER LEVEL MONITORING

EN TECH personnel measured water levels in each of the facility's monitoring wells on January 8, February 26, March 19, and April 10, 2014. Water level measurements were made to a surveyed reference point, located at the north side of the top of each well casing, using a product/water interface probe or equivalent device. Water level measurements and calculations of groundwater elevations are summarized in Table 1. Figure 3 presents a hydrograph of groundwater elevations. Figures 4, 5, 6, and 7 contain groundwater contour maps for the January 8, February 26, March 19, and April 10 groundwater elevations.

EVALUATION OF WATER LEVEL DATA

For the reporting period, the maximum groundwater elevation of 465.06 feet above mean sea level (amsl) occurred in MW-2 on January 7. The minimum groundwater elevation of 464.77 feet amsl occurred in MW-6 on February 26. The maximum average groundwater elevation of 465.03 amsl occurred on January 7, while the minimum average of 464.80 feet amsl occurred on February 26.

Table 2 is a summary of groundwater gradient calculations for the entire project. As Table 2 indicates, the average groundwater gradient, for this reporting period, ranged from south 10° east at 0.00046 feet per foot on February 26, 2014, to south 52.5° east at 0.00041 feet per foot on April 10, 2014. For all monitoring events, the groundwater flow direction averages south 55.8° east with a maximum variance of 45.8° clockwise of average and 58.7° counterclockwise of average.

GROUNDWATER SAMPLING

EN TECH collected compliance groundwater samples from wells MW-1 through MW-7 on March 19, 2014. Prior to sampling, EN TECH personnel measured the depth-to-water and total depth of each monitoring well, calculated the casing volume, and purged three casing volumes using a freshly decontaminated submersible pump and new polyethylene hose. While purging, EN TECH personnel collected samples from the pump discharge to measure and record pH, conductivity, and temperature using a calibrated field grade meter designed for the purpose. The purge water was collected into 55-gallon steel drums and staged on-site for pending disposal. Following purging, samples were collected for laboratory analysis by hand-bailing using a new polypropylene bailer for each well. The contents of the bailer were emptied into laboratory-supplied sample containers. Groundwater samples were labeled and stored in an ice chest containing sufficient ice to reduce and maintain sample temperature at 4 degrees Celsius. Samples were transported and relinquished to Orange Coast Analytical Laboratory (Orange Coast) using the laboratory supplied chain of custody documentation.

All samples collected from the monitoring wells for laboratory analysis were analyzed by Orange Coast for gasoline-ranged organic (GRO) compounds using EPA Method 8015D, and for volatile organic compounds (VOCs) using EPA Method 8260B. Copies of the laboratory reports and chain-of-custody documentation are provided in Appendix A. Field parameter measurements of pH, conductivity, and temperature for each sample event can be found in Appendix B.

EVALUATION OF GROUNDWATER SAMPLE DATA

For the March 2014 sampling event, the Orange Coast laboratory report indicates that neither GROs nor any VOCs analysis were detected in the samples from MW-2, 3, 4, 6, and 7. This data is consistent with previous laboratory analysis. The laboratory analysis for the sample identified as being from MW-1 also was reported to have no detectable GROs or VOCs, whereas the laboratory analysis for the sample identified as being from MW-5 had GROs and VOCs reported at significant levels. This data does not correspond with previous analytical data and field conditions. Specifically, free product was observed in MW-1 from October 2013 through December 2013. The presence of free product would suggest that dissolved phase petroleum contaminant concentrations would present at elevated concentrations. Additionally, the laboratory analysis of the groundwater sample collected from MW-5 in December 2013 indicates that neither GROs nor VOCs were detected. Therefore, EN TECH believes that the samples from MW-1 and MW-5 may have been inadvertently misidentified. In an effort to establish if this indeed was the case, EN TECH collected a grab sample from both MW-1 and MW-5 during the April 10, 2014 groundwater monitoring event. These samples were submitted to Orange Coast for VOC analysis using EPA Method 8260B. As described below, the analytical results from the groundwater samples collected in April 2014 indicated that neither GROs nor VOCs were detected in the sample collected from MW-5, and the sample collected from MW-1 did have elevated concentrations of petroleum constituents. Therefore, for purposes of this Report, the reported groundwater sample concentrations identified as being from MW-5, collected on March 19, 2014, are considered to actually be from MW-1 and have been presented as such in Table 3.

From the March 19, 2014 sampling event, the reported GRO concentration in MW-1 was 32,000 micrograms per liter ($\mu\text{g}/\text{L}$). Benzene, ethylbenzene, and toluene were reported at concentrations of 1,400 $\mu\text{g}/\text{L}$, 1,100 $\mu\text{g}/\text{L}$, and 7,900 $\mu\text{g}/\text{L}$, respectively. Each of these concentrations exceeds their respective federal Maximum Contaminant Level (MCL). Xylenes were reported at a concentration of 4,100 $\mu\text{g}/\text{L}$, which is below its MCL. Other constituents reported by Orange

Coast included isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. None of these constituents have an MCL.

The reported benzene and toluene concentrations from the sample collected from MW-1 on April 10, 2014, were 720 µg/L and 2,600 µg/L, respectively. Each of these concentrations exceeds their respective MCL. Ethylbenzene and xylenes were reported at a concentration of 480 µg/L and 1,200 µg/L, respectively, which are below their MCLs. Other constituents reported by Orange Coast included 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene. Neither of these constituents have an MCL. EN TECH notes that the dissolved phase contaminant concentrations in MW-1 were lower in April 2014 as compared to March 2014. However, this is mostly likely due to the fact that the March 2014 sample was collected after purging the well and the April 2014 sample was collected as a grab sample without any purging. The groundwater analytical data from April 10, 2014 is presented in Table 4.

FREE PRODUCT

Free product has been periodically detected in MW-1. Previous free product recovery activities included the use of passive skimmers and hydrophobic absorbent socks. No free product was detected with the interface probe during this reporting period. However, approximately 7 ounces of a water/product mixture were collected with an absorbent sock during this reporting period (see Table 5). The absorbent sock was removed on March 19, 2014. EN TECH will continue to monitor for the presence of free product and conduct additional free product recovery activities as needed.

FUTURE FIELD ACTIVITIES

EN TECH will continue to monitor depth-to-water and check for free product in all on-site groundwater monitoring wells, on a monthly basis. Should free product be detected in any of the wells, free product recovery activities will be conducted to the extent practicable. Groundwater sampling will be conducted on a quarterly basis. The next quarterly groundwater sampling event is scheduled to be conducted in June 2014. The next quarterly groundwater monitoring report is scheduled to be submitted in July 2014.

LIMITATIONS

Environmental Technology, Inc. has performed the tasks outlined in this project report in accordance with generally accepted practices and consistent with the level of work performed by other consultants providing similar services in Arizona at the time of the investigation. No warranty, expressed or implied, is made. This report is not a complete chemical characterization of the property, and is not to be construed in the whole or as part as "due diligence inquiry" as specified in the Superfund Amendment and Reauthorization Act of 1986, (SARA), as amended.

TABLES

Table 1. Water Level Measurements & Calculations

Date		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	Avg	Min	Well ID	Max	Well ID
	TOS	6	6	6	7	7	7	8					
	TD	37	36	37	38	37	37	38					
10/28/13	SE	482.53	482.96	482.58	482.69	482.33							
	DTW	16.73	17.01	16.59	16.72	16.41			16.69	16.41	MW-5	17.01	MW-2
	DTP	16.69							16.69	16.69	MW-1	16.69	MW-1
	PT	0.04							0.04	0.04	MW-1	0.04	MW-1
	CDTW	16.70							16.70	16.70	MW-1	16.70	MW-1
	GWE	465.83	465.95	465.99	465.97	465.92			465.93	465.83	MW-1	465.99	MW-3
11/11/13	SE	482.53	482.96	482.58	482.69	482.33							
	DTW	16.84	17.24	16.84	16.98	16.66			16.91	16.66	MW-5	17.24	MW-2
	DTP	16.81							16.81	16.81	MW-1	16.81	MW-1
	PT	0.03							0.03	0.03	MW-1	0.03	MW-1
	CDTW	16.82							16.82	16.82	MW-1	16.82	MW-1
	GWE	465.71	465.72	465.74	465.71	465.67			465.71	465.67	MW-5	465.74	MW-3
12/09/13	SE	482.53	482.96	482.58	482.69	482.33							
	DTW	17.23	17.63	17.24	17.38	17.04			17.30	17.04	MW-5	17.63	MW-2
	GWE	465.30	465.33	465.34	465.31	465.29			465.31	465.29	MW-5	465.34	MW-3
12/18/13	SE	482.53	482.96	482.58	482.69	482.33	481.38	481.68					
	DTW	17.32	17.71	17.32	17.46	17.11	16.18	16.46	17.08	16.18	MW-6	17.71	MW-2
	DTP	17.27							17.27	17.27	MW-1	17.27	MW-1
	PT	0.05							0.05	0.05	MW-1	0.05	MW-1

TOS is top of screen in feet below surface elevation.

TD is total depth in feet below surface elevation.

SE is surveyed surface elevation in feet above mean sea level.

DTW is depth-to-water in feet.

DTP is depth-to-product in feet.

PT is product thickness in feet.

CDTW is corrected depth-to-water. CDTW = DTW - SG * PT

SG is specific gravity of product.

GWE is groundwater elevation. GWE = SE - DTW or SE - CDTW

Avg is average value.

Min is minimum value.

Max is maximum value.

Table 1.
 Page 1 of 2

Table 1. Water Level Measurements & Calculations

Date		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	Avg	Min	Well ID	Max	Well ID
	CDTW	17.28							17.28	17.28	MW-1	17.28	MW-1
	GWE	465.25	465.25	465.26	465.23	465.22	465.20	465.22	465.23	465.20	MW-6	465.26	MW-3
01/07/14	SE	482.53	482.96	482.58	482.69	482.33	481.38	481.68					
	DTW	17.50	17.90	17.53	17.67	17.31	16.39	16.66	17.28	16.39	MW-6	17.90	MW-2
	GWE	465.03	465.06	465.05	465.02	465.02	464.99	465.02	465.03	464.99	MW-6	465.06	MW-2
01/08/14	SE	482.53	482.96	482.58	482.69	482.33	481.38	481.68					
	DTW	17.53	17.93	17.55	17.70	17.33	16.42	16.69	17.31	16.42	MW-6	17.93	MW-2
	GWE	465.00	465.03	465.03	464.99	465.00	464.96	464.99	465.00	464.96	MW-6	465.03	MW-2
02/26/14	SE	482.53	482.96	482.58	482.69	482.33	481.38	481.68					
	DTW	17.73	18.12	17.76	17.91	17.54	16.61	16.87	17.51	16.61	MW-6	18.12	MW-2
	GWE	464.80	464.84	464.82	464.78	464.79	464.77	464.81	464.80	464.77	MW-6	464.84	MW-2
03/19/14	SE	482.53	482.96	482.58	482.69	482.33	481.38	481.68					
	DTW	17.52	17.93	17.54	17.69	17.34	16.41	16.69	17.30	16.41	MW-6	17.93	MW-2
	GWE	465.01	465.03	465.04	465.00	464.99	464.97	464.99	465.00	464.97	MW-6	465.04	MW-3
04/10/14	SE	482.53	482.96	482.58	482.69	482.33	481.38	481.68					
	DTW	17.56	17.97	17.58	17.73	17.39	16.47	16.74	17.35	16.47	MW-6	17.97	MW-2
	GWE	464.97	464.99	465.00	464.96	464.94	464.91	464.94	464.96	464.91	MW-6	465.00	MW-3

TOS is top of screen in feet below surface elevation.

TD is total depth in feet below surface elevation.

SE is surveyed surface elevation in feet above mean sea level.

DTW is depth-to-water in feet.

DTP is depth-to-product in feet.

PT is product thickness in feet.

CDTW is corrected depth-to-water. CDTW = DTW - SG * PT

SG is specific gravity of product.

GWE is groundwater elevation. GWE = SE - DTW or SE - CDTW

Avg is average value.

Min is minimum value.

Max is maximum value.

Table 1.
 Page 2 of 2

Table 3. Summary of Laboratory Analysis of Groundwater Samples
March 19, 2014

COCs	MW-1*	MW-2	MW-3	MW-4	MW-5**	MW-6	MW-7	Max	Well ID	MCLs
GRO	32,000	<100	<100	<100	<100	<100	<100	32,000	MW-1	NE
Benzene	1,400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1,400	MW-1	5.00
n-Butylbenzene	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			NE
sec-Butylbenzene	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			NE
Ethylbenzene	1,100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,100	MW-1	700
Isopropylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100	MW-1	NE
MTBE	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			NE
Naphthalene	<300	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0			NE
n-Propylbenzene	180	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	180	MW-1	NE
Toluene	7,900	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7,900	MW-1	1,000
1,2,4-Trimethylbenzene	720	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	720	MW-1	NE
1,3,5-Trimethylbenzene	220	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	220	MW-1	NE
Xylenes	4,100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4,100	MW-1	10,000

All values reported in micrograms per liter.

All samples analyzed using EPA Methods 8015D and 8260B.

Bolded and italicized values exceed method reporting limits.

Bolded and shaded values exceed regulatory standards.

MCLs is Maximum Contaminant Levels.

NE means regulatory value not established.

*Misidentified as MW-5 on laboratory report and chain-of-custody documentation.

**Misidentified as MW-1 on laboratory report and chain-of-custody documentation.

Table 3.
 Page 1 of 1

Table 4. Summary of Laboratory Analysis of Groundwater Samples
April 10, 2014

COCs	MW-1	MW-5	Max	Well ID	MCLs
Benzene	720	<0.50	720	MW-1	5.00
n-Butylbenzene	<100	<1.0			NE
sec-Butylbenzene	<100	<1.0			NE
Ethylbenzene	480	<1.0	480	MW-1	700
Isopropylbenzene	<100	<1.0			NE
MTBE	<100	<1.0			NE
Naphthalene	<300	<3.0			NE
n-Propylbenzene	<100	<1.0			NE
Toluene	2,600	<1.0	2,600	MW-1	1,000
1,2,4-Trimethylbenzene	390	<1.0	390	MW-1	NE
1,3,5-Trimethylbenzene	100	<1.0	100	MW-1	NE
Xylenes	1,200	<2.0	1,200	MW-1	10,000

All values reported in micrograms per liter.

All samples analyzed using EPA Method 8260B.

Bolded and italicized values exceed method reporting limits.

Bolded and shaded values exceed regulatory standards.

MCLs is Maximum Contaminant Levels.

NE means regulatory value not established.

Table 4.
Page 1 of 1

Table 5. Free Product Recovery Data

Well ID	MW-1				Notes
	Date	DTW	DTP	FPT	
10/21/13	17.35	16.35	1.00	0	Skimmer Initially Installed
10/22/13	17.26	16.41	0.85	2.25	
10/23/13	17.03	16.47	0.56	2.25	
10/25/13	17.1	16.52	0.58	2.25	
10/26/13	16.73	16.69	0.04	1.50	
10/28/13	16.73	16.69	0.04	1.00	
10/29/13	16.74	16.7	0.04	0.50	Skimmer removed for UST removal activities
11/01/13	17.05	16.6	0.45	0.125	Free Product collected via hand bailer
11/04/13	16.94	16.67	0.27	0	Skimmer Re-Installed following UST removal activities
11/11/13	16.84	16.81	0.03	0.125	
12/18/13	17.32	17.27	0.05	0	Skimmer removed from well and absorbent sock installed
12/19/13	17.28	ND	0.00	<0.1	2 oz of product recovered with absorbent sock
01/07/14	17.50	ND	0.00	<0.1	3 oz of product recovered with absorbent sock
01/08/14	17.53	ND	0.00	0	Sock was left out overnight
02/25/14	17.73	ND	0.00	<0.1	2 oz of water/product mixture recovered with absorbent sock
03/19/14	17.52	ND	0.00	<0.1	2 oz of water/product mixture recovere with absorbent sock. Sock was removed from MW-1
04/10/14	17.56	ND	0.00	0	
Total FPR				10	

DTW is Depth to Water

DTP is Depth to Product

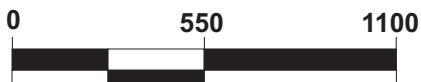
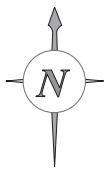
FPT is Free Product Thickness

FPR is Free Product Recovered - in gallons

Table 5.

Page 1 of 1

FIGURES



Scale: 1 inch = 550 feet

Note: All locations and boundaries are approximate.

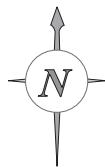


SITE VICINITY MAP

Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440

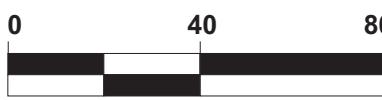
Project # 2789
April 2014

FIGURE
1

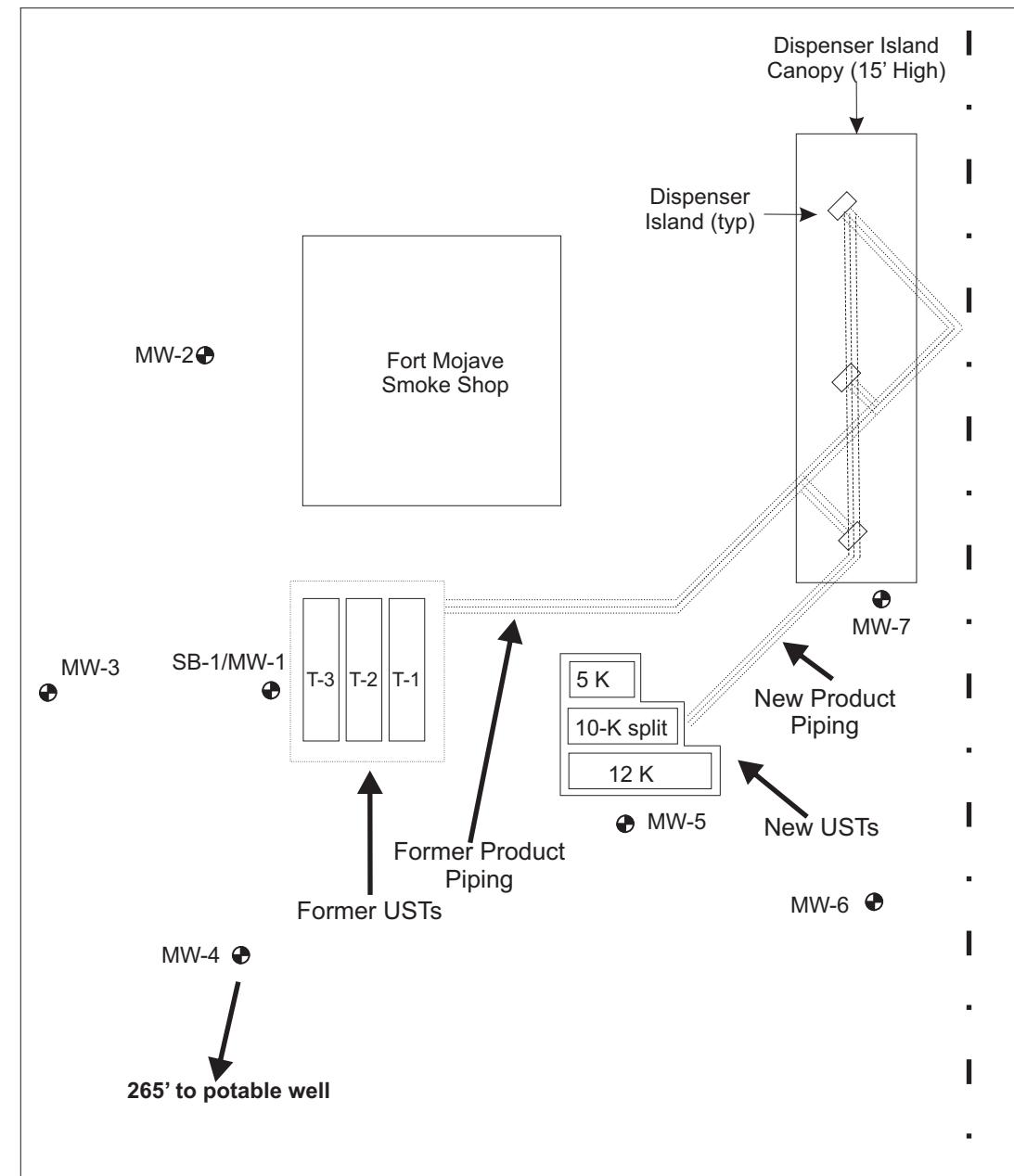


Willow Drive

Spirit Mountain
RV Park



Note: All locations and boundaries are approximate.



LEGEND

● MW-1 Groundwater Monitoring Well and ID Number

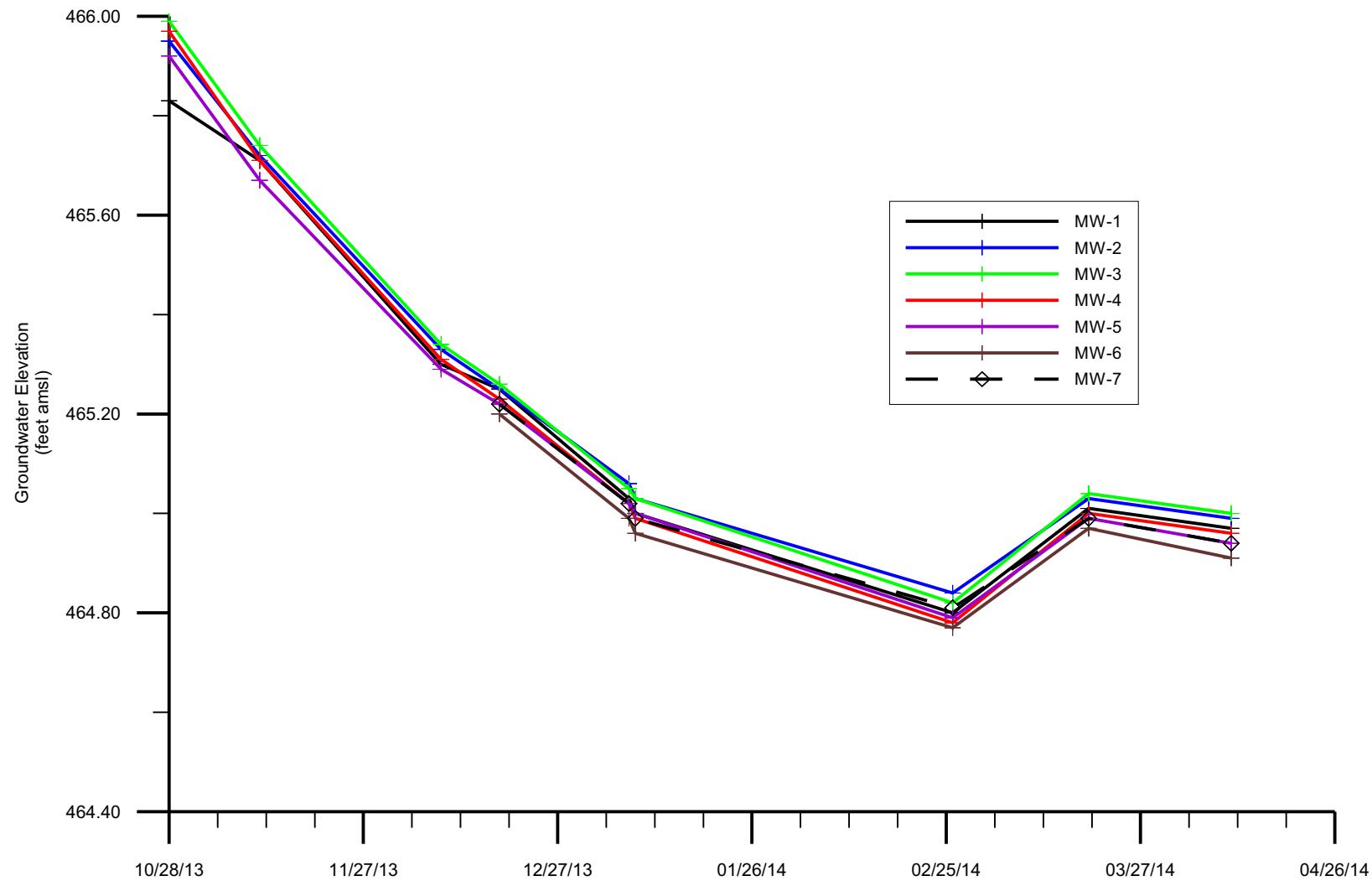
SITE PLAN

Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440

FIGURE
2



Project # 2789
April 2014

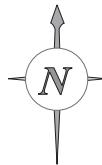


HYDROGRAPH

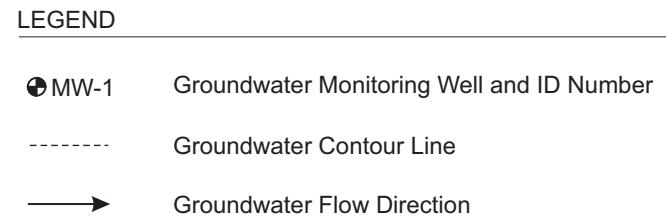
Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440

Project # 2789
April 2014

FIGURE
3



Willow Drive



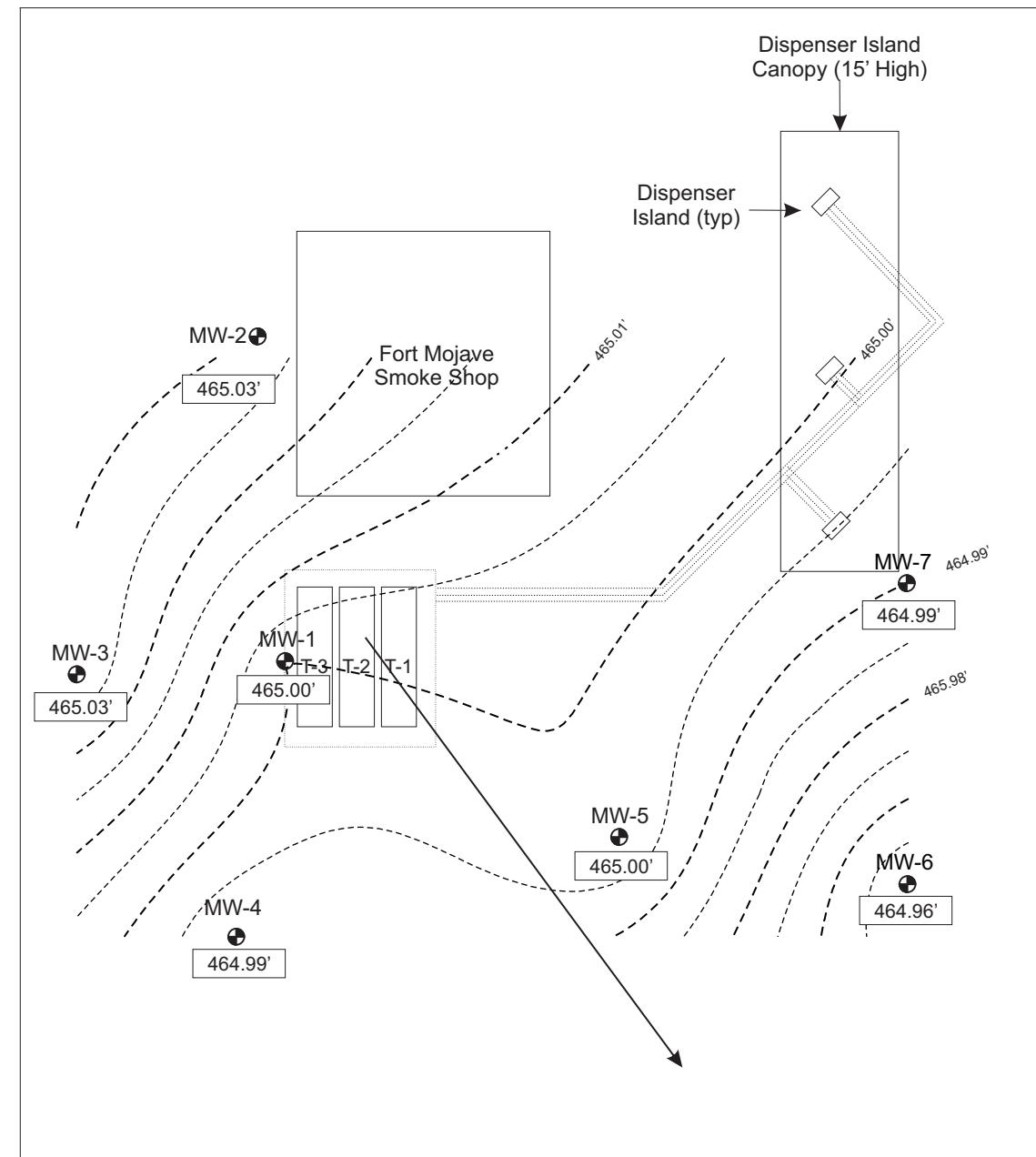
NOTES

Contour interval is 0.005.

Average groundwater gradient is
South 36.4° East @ 0.00034 feet per foot.



Spirit Mountain
RV Park



Note: All locations and boundaries are approximate.

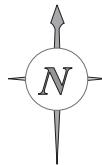


ENVIRONMENTAL TECHNOLOGY, INC.

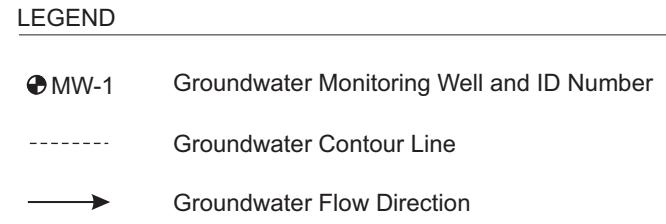
Project # 2789
April 2014

JAN 8, 2014 GROUNDWATER
CONTOUR MAP
Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440

FIGURE
4



Willow Drive



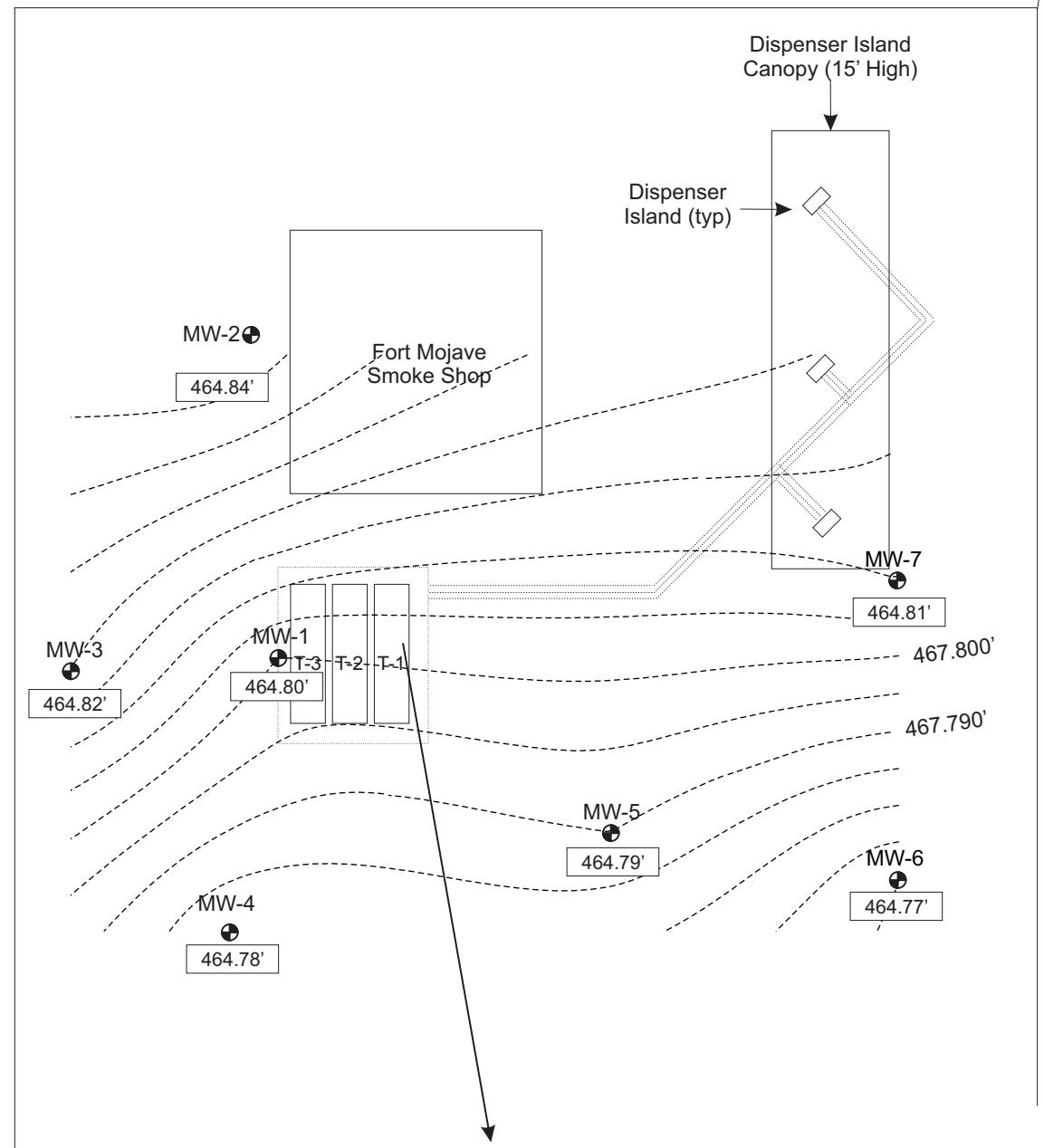
NOTES

Contour interval is 0.005.

Average groundwater gradient is
South 10.0° East @ 0.00046 feet per foot.



Spirit Mountain
RV Park



Note: All locations and boundaries are approximate.

US HWY 95

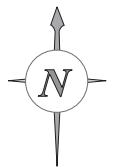
FEB 26, 2014 GROUNDWATER
CONTOUR MAP
Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440

FIGURE
5



ENV
TECH
ENVIRONMENTAL TECHNOLOGY, INC.

Project # 2789
April 2014



Willow Drive

LEGEND

- MW-1 Groundwater Monitoring Well and ID Number
- - - Groundwater Contour Line
- Groundwater Flow Direction

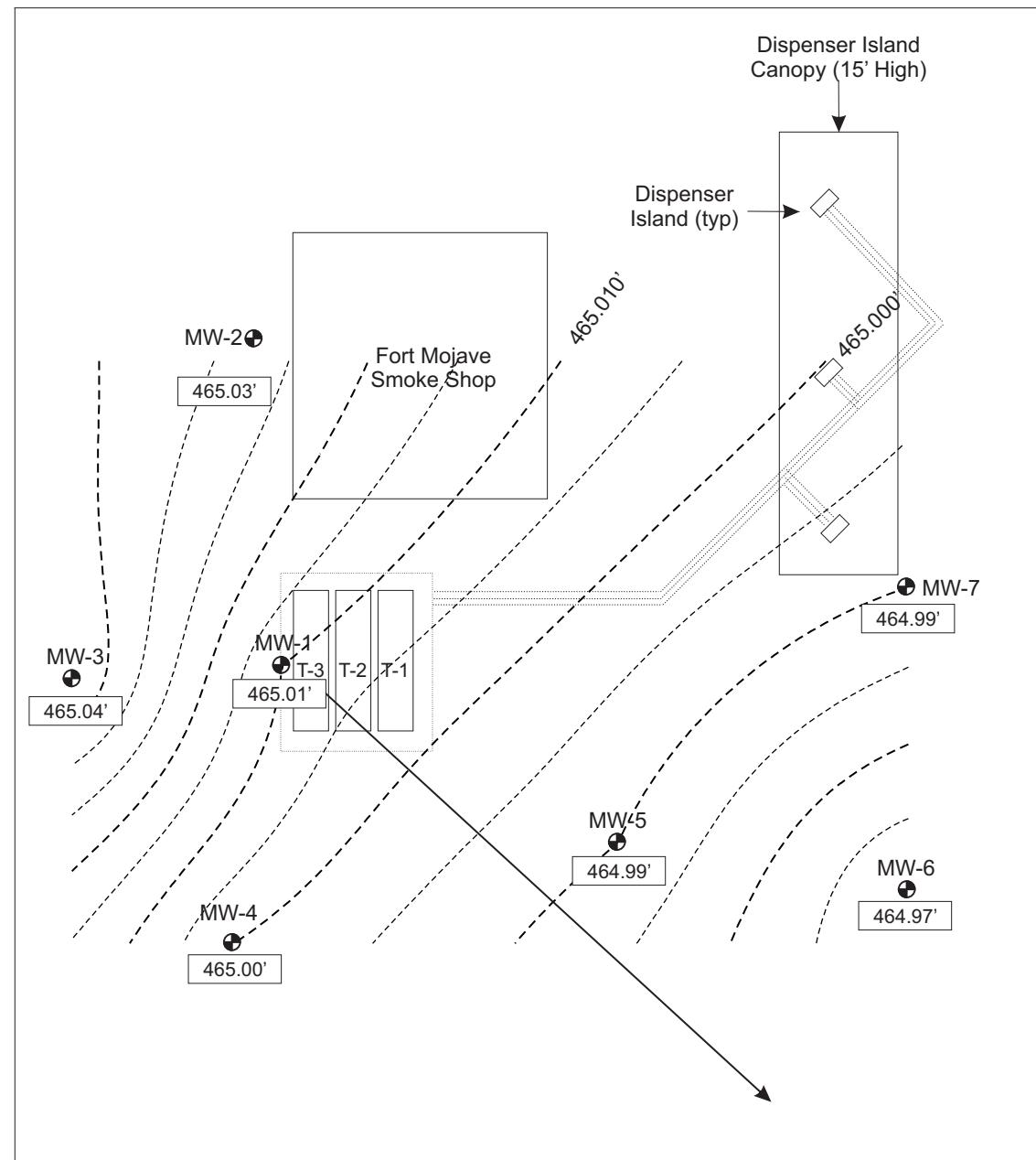
NOTES

Contour interval is 0.005.

Average groundwater gradient is
South 47.5° East @ 0.00032 feet per foot.



Spirit Mountain
RV Park



Note: All locations and boundaries are approximate.

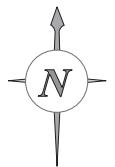


ENVIRONMENTAL TECHNOLOGY, INC.

Project # 2789
April 2014

MARCH 19, 2014 GROUNDWATER
CONTOUR MAP
Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440

FIGURE
6



Willow Drive

LEGEND

- MW-1 Groundwater Monitoring Well and ID Number
- - - Groundwater Contour Line
- Groundwater Flow Direction

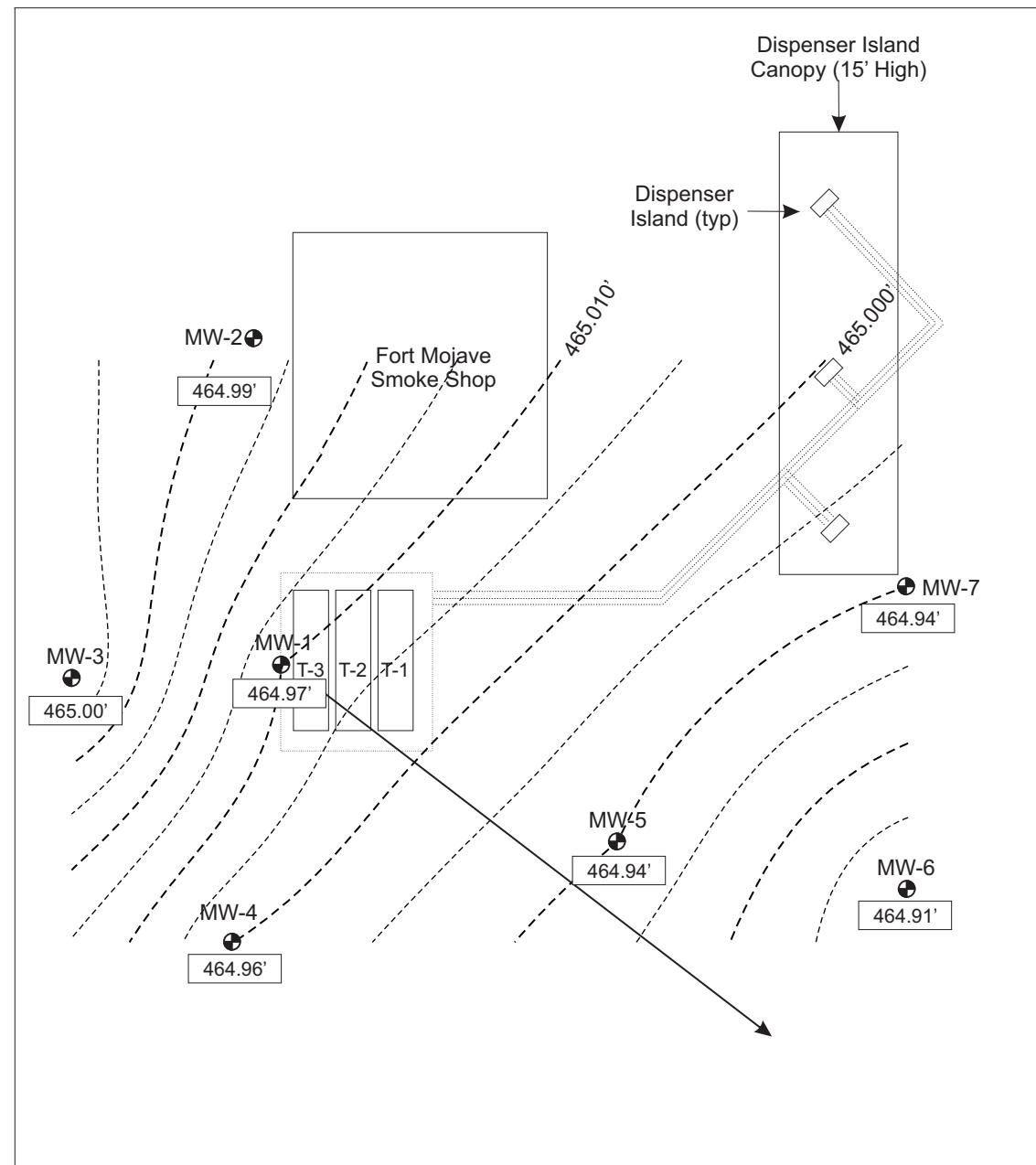
NOTES

Contour interval is 0.005.

Average groundwater gradient is
South 52.5° East @ 0.00041 feet per foot.



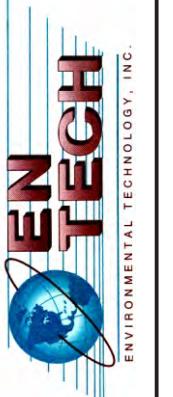
Spirit Mountain
RV Park



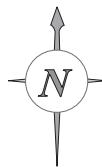
Note: All locations and boundaries are approximate.

APRIL 10, 2014 GROUNDWATER
CONTOUR MAP
Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440

FIGURE
7



Project # 2789
April 2014



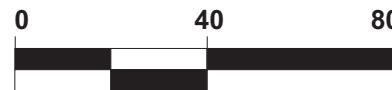
Willow Drive

LEGEND

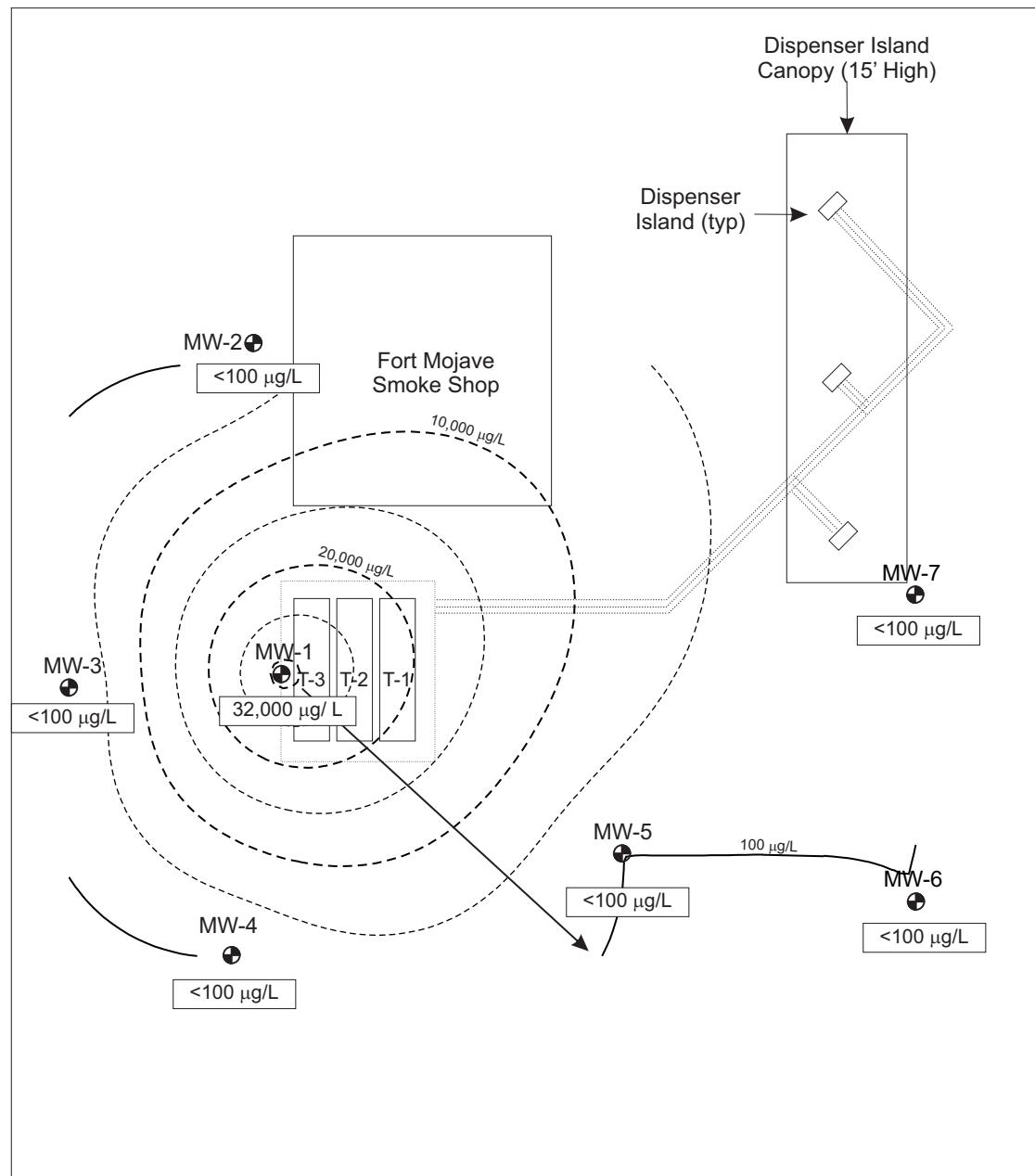
- MW-1 Groundwater Monitoring Well and ID Number
- - - Isoconcentration Line
- Groundwater Flow Direction

NOTES

Contour interval is 5,000 µg/L except where noted.



Spirit Mountain
RV Park



Note: All locations and boundaries are approximate.

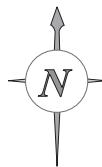
US HWY 95

FIGURE
8

Project # 2789
April 2014

MARCH 19, 2014 GRO
ISOCONCENTRATION MAP
Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440





Willow Drive

LEGEND

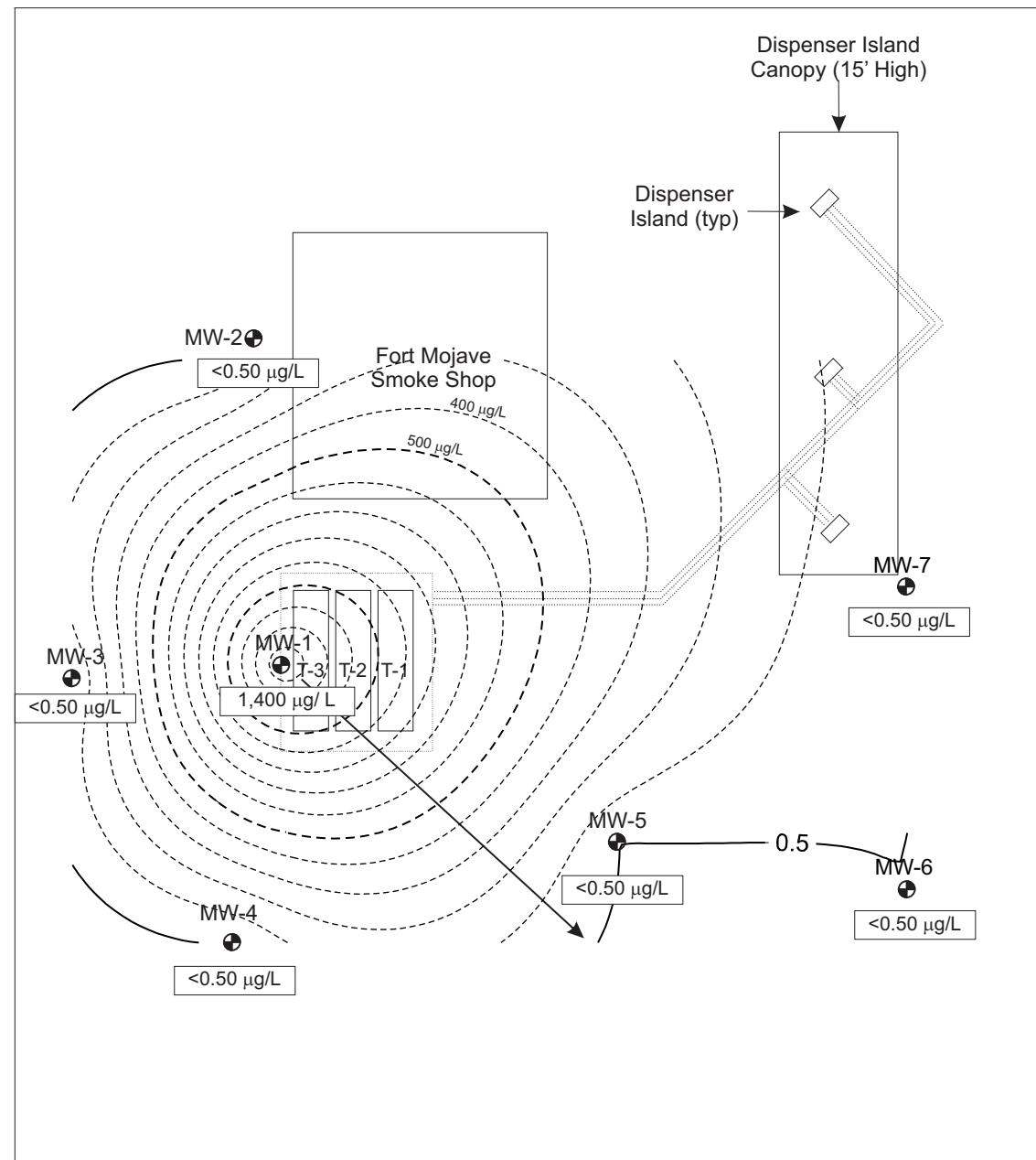
- MW-1 Groundwater Monitoring Well and ID Number
- - - Isoconcentration Line
- Groundwater Flow Direction

NOTES

Contour interval is 100 µg/L except where noted.



Spirit Mountain
RV Park



Note: All locations and boundaries are approximate.

FIGURE
9

Project # 2789
April 2014

MARCH 19, 2014 BENZENE
ISOCONCENTRATION MAP
Fort Mojave Smoke Shop
8501 South Highway 95
Mohave Valley, Arizona 86440



APPENDIX A. Laboratory Reports & Chain-of-Custody Documentation



Orange Coast Analytical, Inc.

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

4620 East Elwood Street, Suite 4 Phoenix, AZ 85040

(480) 736-0960

Laboratory Certification (ADHS) No.: AZ0558, AZ0646
Expiration Date: 2014

Laboratory Director's Name:
Mark Noorani

Client: EnTech

Laboratory Reference: ENT AZ8691

Project Name: Fort Mojave Smoke Shop

Project Number: 2789

Date Received: 3/21/2014

Date Reported: 3/26/2014

Chain of Custody Received:

Analytical Method: 8015D, 8260B,



Mark Noorani, Laboratory Director

Mr. Carney Miller
EnTech
2541 E. University Dr
Phoenix, AZ, 85034

Lab Reference # ENT AZ8691
Project Name: Fort Mojave Smoke Shop
Project #: 2789

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 2°C, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Carney Miller
EnTech
2541 E. University Dr
Phoenix, AZ, 85034

Lab Reference # ENT AZ8691
Project Name: Fort Mojave Smoke Shop
Project #: 2789

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
MW-2	AZ8691-001	3/21/2014	3/19/2014	Water
MW-3	AZ8691-002	3/21/2014	3/19/2014	Water
MW-4	AZ8691-003	3/21/2014	3/19/2014	Water
MW-6	AZ8691-004	3/21/2014	3/19/2014	Water
MW-7	AZ8691-005	3/21/2014	3/19/2014	Water
MW-5	AZ8691-006	3/21/2014	3/19/2014	Water
MW-1	AZ8691-007	3/21/2014	3/19/2014	Water
Trip Blank	AZ8691-008	3/21/2014		Water

Mr. Carney Miller
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Phoenix, AZ, 85034

Lab Reference # ENT AZ8691
Project Name: Fort Mojave Smoke Shop
Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-2	AZ8691-001	3/21/2014	3/19/2014	3/24/2014	3/24/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl Chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Total Xylenes	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC	Dilution Factor:	1		
Dibromofluoromethane:	97	66-141 %	Data Qualifiers:	None		
Toluene-d8:	73	68-130 %				
4-Bromofluorobenzene:	68	67-130 %				

Mr. Carney Miller
 EnTech
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 Phoenix, AZ, 85034

Lab Reference # ENT AZ8691
 Project Name: Fort Mojave Smoke Shop
 Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-3	AZ8691-002	3/21/2014	3/19/2014	3/24/2014	3/24/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl Chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Total Xylenes	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC	Dilution Factor:	1		
Dibromofluoromethane:	99	66-141 %	Data Qualifiers:	None		
Toluene-d8:	74	68-130 %				
4-Bromofluorobenzene:	69	67-130 %				

Mr. Carney Miller
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Lab Reference # ENT AZ8691
Project Name: Fort Mojave Smoke Shop
Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-4	AZ8691-003	3/21/2014	3/19/2014	3/24/2014	3/24/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl Chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Total Xylenes	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC	Dilution Factor:	1		
Dibromofluoromethane:	100	66-141 %	Data Qualifiers:	None		
Toluene-d8:	74	68-130 %				
4-Bromofluorobenzene:	69	67-130 %				

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 Phoenix, AZ, 85034

Lab Reference # ENT AZ8691
 Project Name: Fort Mojave Smoke Shop
 Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-6	AZ8691-004	3/21/2014	3/19/2014	3/24/2014	3/24/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl Chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Total Xylenes	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC	Dilution Factor:	1		
Dibromofluoromethane:	100	66-141 %	Data Qualifiers:	None		
Toluene-d8:	74	68-130 %				
4-Bromofluorobenzene:	69	67-130 %				

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Lab Reference # ENT AZ8691
 Project Name: Fort Mojave Smoke Shop
 Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-7	AZ8691-005	3/21/2014	3/19/2014	3/24/2014	3/24/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl Chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Total Xylenes	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC	Dilution Factor:	1		
Dibromofluoromethane:	101	66-141 %	Data Qualifiers:	None		
Toluene-d8:	73	68-130 %				
4-Bromofluorobenzene:	68	67-130 %				

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Lab Reference # ENT AZ8691
Project Name: Fort Mojave Smoke Shop
Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix		
MW-5	AZ8691-006	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water		
ANALYTE								
Benzene	CAS # 71-43-2	µg/L 1400	ANALYTE					
Bromobenzene	108-86-1	<100	Methyl t-butyl ether (MTBE)	1634-04-4	<100			
Bromoform	74-97-5	<100	Naphthalene	91-20-3	<300			
Bromochloromethane	75-27-4	<100	n-Propylbenzene	103-65-1	180			
Bromodichloromethane	75-25-2	<100	Styrene	100-42-5	<100			
Bromomethane	74-83-9	<500	1,1,2,2-Tetrachloroethane	79-34-5	<100			
n-Butylbenzene	104-51-8	<100	Tetrachloroethene	127-18-4	<100			
sec-Butylbenzene	135-98-8	<100	Toluene	108-88-3	7900			
tert-Butylbenzene	98-06-6	<100	1,2,3-Trichlorobenzene	87-61-6	<100			
Carbon tetrachloride	56-23-5	<100	1,1,1-Trichloroethane	71-55-6	<100			
Chlorobenzene	108-90-7	<100	1,1,2-Trichloroethane	79-00-5	<100			
Chloroethane	75-00-3	<500	Trichloroethene	79-01-6	<100			
Chloroform	67-66-3	<100	Trichlorofluoromethane	75-69-4	<200			
Chloromethane	74-87-3	<500	1,2,3-Trichloropropane	96-18-4	<100			
2-Chlorotoluene	95-49-8	<100	1,2,4-Trimethylbenzene	95-63-6	720			
4-Chlorotoluene	106-43-4	<100	1,3,5-Trimethylbenzene	108-67-8	220			
Dibromochloromethane	124-48-1	<100	Vinyl Chloride	75-01-4	<200			
1,2-Dibromoethane	106-93-4	<100	Total Xylenes	1330-20-7	4100			
1,2-Dichlorobenzene	95-50-1	<100						
1,3-Dichlorobenzene	541-73-1	<100						
1,4-Dichlorobenzene	106-46-7	<100						
1,1-Dichloroethane	75-34-3	<100						
Dichlorodifluoromethane	75-71-8	<200						
1,2-Dichloroethane	107-06-2	<100						
1,1-Dichloroethene	75-35-4	<50						
cis-1,2-Dichloroethene	156-59-2	<50						
trans-1,2-Dichloroethene	156-60-5	<50						
1,2-Dichloropropane	78-87-5	<100						
1,3-Dichloropropane	142-28-9	<100						
2,2-Dichloropropane	594-20-7	<100						
1,1-Dichloropropene	563-58-6	<100						
cis-1,3-Dichloropropene	10061-01-5	<100						
trans-1,3-Dichloropropene	10061-02-6	<100						
Ethylbenzene	100-41-4	1100						
Isopropylbenzene	98-82-8	100						
4-Isopropyltoluene	99-87-6	<100						
<u>Surrogate:</u>	% RC	Acceptable % RC	<u>Dilution Factor:</u> 100					
Dibromofluoromethane:	101	66-141 %	<u>Data Qualifiers:</u> D2, E2,					
Toluene-d8:	71	68-130 %						
4-Bromofluorobenzene:	87	67-130 %						

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Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-1	AZ8691-007	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl Chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Total Xylenes	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC	Dilution Factor:	1		
Dibromofluoromethane:	110	66-141 %	Data Qualifiers:	None		
Toluene-d8:	73	68-130 %				
4-Bromofluorobenzene:	69	67-130 %				

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Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Trip Blank	AZ8691-008	3/21/2014		3/25/2014	3/25/2014	Water
ANALYTE						
Benzene	71-43-2	<0.50				
Bromobenzene	108-86-1	<1.0				
Bromoform	75-25-2	<1.0				
Bromochloromethane	74-97-5	<1.0				
Bromodichloromethane	75-27-4	<1.0				
Bromomethane	74-83-9	<5.0				
n-Butylbenzene	104-51-8	<1.0				
sec-Butylbenzene	135-98-8	<1.0				
tert-Butylbenzene	98-06-6	<1.0				
Carbon tetrachloride	56-23-5	<1.0				
Chlorobenzene	108-90-7	<1.0				
Chloroethane	75-00-3	<5.0				
Chloroform	67-66-3	<1.0				
Chloromethane	74-87-3	<5.0				
2-Chlorotoluene	95-49-8	<1.0				
4-Chlorotoluene	106-43-4	<1.0				
Dibromochloromethane	124-48-1	<1.0				
1,2-Dibromoethane	106-93-4	<1.0				
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>		<u>Dilution Factor:</u>	<u>1</u>	
Dibromofluoromethane:	111	66-141 %		Data Qualifiers:	None	
Toluene-d8:	72	68-130 %				
4-Bromofluorobenzene:	68	67-130 %				

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Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0324142			3/24/2014	3/24/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Xylenes, Total	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC		Dilution Factor:	1	
Dibromofluoromethane:	94	66-141 %		Data Qualifiers:	None	
Toluene-d8:	75	68-130 %				
4-Bromofluorobenzene:	70	67-130 %				

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Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBMN0325141			3/25/2014	3/25/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Xylenes, Total	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC		Dilution Factor:	1	
Dibromofluoromethane:	101	66-141 %		Data Qualifiers:	None	
Toluene-d8:	74	68-130 %				
4-Bromofluorobenzene:	70	67-130 %				

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Volatile Fuel Hydrocarbons (EPA 8015D)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-2	AZ8691-001	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water
<u>ANALYTE</u>	<u>µg/L</u>	<u>Surrogate:</u>			<u>% RC*</u>	
TPH as GROs(C4-C12)	<100	Bromochlorobenzene			119	
<u>Dilution Factor:</u>	1	* Acceptable Recovery: 70-169 %				
<u>Data Qualifiers:</u>	None					
MW-3	AZ8691-002	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water
<u>ANALYTE</u>	<u>µg/L</u>	<u>Surrogate:</u>			<u>% RC*</u>	
TPH as GROs(C4-C12)	<100	Bromochlorobenzene			129	
<u>Dilution Factor:</u>	1	* Acceptable Recovery: 70-169 %				
<u>Data Qualifiers:</u>	None					
MW-4	AZ8691-003	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water
<u>ANALYTE</u>	<u>µg/L</u>	<u>Surrogate:</u>			<u>% RC*</u>	
TPH as GROs(C4-C12)	<100	Bromochlorobenzene			136	
<u>Dilution Factor:</u>	1	* Acceptable Recovery: 70-169 %				
<u>Data Qualifiers:</u>	None					
MW-6	AZ8691-004	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water
<u>ANALYTE</u>	<u>µg/L</u>	<u>Surrogate:</u>			<u>% RC*</u>	
TPH as GROs(C4-C12)	<100	Bromochlorobenzene			131	
<u>Dilution Factor:</u>	1	* Acceptable Recovery: 70-169 %				
<u>Data Qualifiers:</u>	None					
MW-7	AZ8691-005	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water
<u>ANALYTE</u>	<u>µg/L</u>	<u>Surrogate:</u>			<u>% RC*</u>	
TPH as GROs(C4-C12)	<100	Bromochlorobenzene			122	
<u>Dilution Factor:</u>	1	* Acceptable Recovery: 70-169 %				
<u>Data Qualifiers:</u>	None					

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Volatile Fuel Hydrocarbons (EPA 8015D)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-5	AZ8691-006	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water
<u>ANALYTE</u>	<u>µg/L</u>	<u>Surrogate:</u>			<u>% RC*</u>	
TPH as GROs(C4-C12)	32000	Bromochlorobenzene			151	
<u>Dilution Factor:</u> 50				* Acceptable Recovery: 70-169 %		
<u>Data Qualifiers:</u> D2,						
MW-1	AZ8691-007	3/21/2014	3/19/2014	3/25/2014	3/25/2014	Water
<u>ANALYTE</u>	<u>µg/L</u>	<u>Surrogate:</u>			<u>% RC*</u>	
TPH as GROs(C4-C12)	<100	Bromochlorobenzene			133	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 70-169 %		
<u>Data Qualifiers:</u> None						
Method Blank	MBMT0325141				3/25/2014	3/25/2014
<u>ANALYTE</u>	<u>µg/L</u>	<u>Surrogate:</u>			<u>% RC*</u>	
TPH as GROs(C4-C12)	<100	Bromochlorobenzene			121	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 70-169 %		
<u>Data Qualifiers:</u> None						

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

**QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)**
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 3/24/2014

Date of Analysis: 3/24/2014

Dup Date of Analysis: 3/24/2014

Laboratory Sample #: AZ8691-001

MS/MSD Qualifiers: None

Reference #: ENT AZ8691

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	11.8	11.1	118	111	6	57-131	20	<input type="checkbox"/>
Benzene	0.00	10.0	12.0	10.3	120	103	15	65-136	20	<input type="checkbox"/>
Trichloroethene	0.00	10.0	12.1	10.6	121	106	13	66-138	20	<input type="checkbox"/>
Toluene	0.00	10.0	9.90	8.50	99	85	15	59-130	20	<input type="checkbox"/>
Chlorobenzene	0.00	10.0	10.9	9.40	109	94	15	63-133	20	<input type="checkbox"/>

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Dibromofluoromethane	100	101	<input type="checkbox"/>
Toluene-d8	73	73	<input type="checkbox"/>
4-Bromofluorobenzene	70	70	<input type="checkbox"/>

LCS	LCSD	Qual
99	101	<input type="checkbox"/>
73	72	<input type="checkbox"/>
71	70	<input type="checkbox"/>

ACP % RC
66-141
68-130
67-130

Laboratory Control Sample

Date of Extraction: 3/24/2014

Date of Analysis: 3/24/2014

Dup Date of Analysis: 3/24/2014

Laboratory Sample #: MN0324142

LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	10.7	10.7	107	107	0	58-136	21	<input type="checkbox"/>
Benzene	10.0	10.9	10.6	109	106	3	68-137	21	<input type="checkbox"/>
Trichloroethene	10.0	10.6	10.5	106	105	1	69-142	21	<input type="checkbox"/>
Toluene	10.0	8.80	8.60	88	86	2	64-130	20	<input type="checkbox"/>
Chlorobenzene	10.0	9.80	9.40	98	94	4	67-133	20	<input type="checkbox"/>

**QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)**
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 3/25/2014

Date of Analysis: 3/25/2014

Dup Date of Analysis: 3/25/2014

Laboratory Sample #: 19276-016

MS/MSD Qualifiers: R2,

Reference #: ENT AZ8691

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.30	12.0	93	120	25	57-131	20	<input checked="" type="checkbox"/>
Benzene	0.00	10.0	9.40	12.3	94	123	27	65-136	20	<input checked="" type="checkbox"/>
Trichloroethene	0.00	10.0	10.3	13.2	103	132	25	66-138	20	<input checked="" type="checkbox"/>
Toluene	0.00	10.0	7.90	10.4	79	104	27	59-130	20	<input checked="" type="checkbox"/>
Chlorobenzene	0.00	10.0	8.80	11.5	88	115	27	63-133	20	<input checked="" type="checkbox"/>

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Dibromofluoromethane	105	105	<input type="checkbox"/>
Toluene-d8	72	72	<input type="checkbox"/>
4-Bromofluorobenzene	71	70	<input type="checkbox"/>

LCS	LCSD	Qual
101	101	<input type="checkbox"/>
73	73	<input type="checkbox"/>
71	72	<input type="checkbox"/>

ACP % RC
66-141
68-130
67-130

Laboratory Control Sample

Date of Extraction: 3/25/2014

Date of Analysis: 3/25/2014

Dup Date of Analysis: 3/25/2014

Laboratory Sample #: MN0325141

LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	11.7	11.8	117	118	1	58-136	21	<input type="checkbox"/>
Benzene	10.0	11.6	11.8	116	118	2	68-137	21	<input type="checkbox"/>
Trichloroethene	10.0	11.7	11.7	117	117	0	69-142	21	<input type="checkbox"/>
Toluene	10.0	9.90	10.1	99	101	2	64-130	20	<input type="checkbox"/>
Chlorobenzene	10.0	10.9	11.2	109	112	3	67-133	20	<input type="checkbox"/>

**QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015D)**
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 3/25/2014

Date of Analysis: 3/25/2014

Dup Date of Analysis: 3/25/2014

Laboratory Sample #: AZ8691-001

MS/MSD Qualifiers: None

Reference #: ENT AZ8691

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH	0.0	100	1200	1000	1200	1000	18	70-130	20	<input type="checkbox"/>

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Bromochlorobenzene	154	141	<input type="checkbox"/>	135	146	<input type="checkbox"/>	70-169

Laboratory Control Sample

Date of Extraction: 3/25/2014

Date of Analysis: 3/25/2014

Dup Date of Analysis: 3/25/2014

Laboratory Sample #: MT0325141

LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH	1000	1200	1200	120	120	0	70-130	20	<input type="checkbox"/>

Data Qualifier Definitions

Qualifier

D2 = Sample required dilution due to high concentration of target analyte.

E2 = Concentration estimated. Analyte exceeded calibration range.

AZ8691-006	8260B	Toluene
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R2 = RPD/RSR exceeded the laboratory acceptance limit.

19276-016	8260B	1,1-Dichloroethene	MS/MSD
19276-016	8260B	Benzene	MS/MSD
19276-016	8260B	Chlorobenzene	MS/MSD
19276-016	8260B	Toluene	MS/MSD
19276-016	8260B	Trichloroethene	MS/MSD

Definition of terms:

R1	Results Of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
%MS	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
%MSD	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$
LCS	Laboratory Control Sample Results
LCSD	Laboratory Control Sample Duplicate Results
%LCS	Percent Recovery Of LCS: $\{(LCS-R1) / SP\} \times 100$
%LCSD	Percent Recovery Of LCSD: $\{(LCSD-R1) / SP\} \times 100$
RPD (for LCS/LCSD)	Relative Percent Difference: $\{(LCS-LCSD) / (LCS+LCSD)\} \times 100 \times 2$
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was required for this analyte; see attached explanation.
ND	Analyte Not Detected



Orange Coast Analytical, Inc.

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

4620 East Elwood Street, Suite 4 Phoenix, AZ 85040

(480) 736-0960

Laboratory Certification (ADHS) No.: AZ0558, AZ0646
Expiration Date: 2014

Laboratory Director's Name:
Mark Noorani

Client: EnTech

Laboratory Reference: ENT AZ8750

Project Name: Fort Mojave Smoke Shop

Project Number: 2789

Date Received: 4/11/2014

Date Reported: 4/21/2014

Chain of Custody Received:

Analytical Method: 8260B,



Mark Noorani, Laboratory Director

Mr. Carney Miller
EnTech
2541 E. University Dr
Phoenix, AZ, 85034

Lab Reference # ENT AZ8750
Project Name: Fort Mojave Smoke Shop
Project #: 2789

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 2°C, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Carney Miller
EnTech
2541 E. University Dr
Phoenix, AZ, 85034

Lab Reference # ENT AZ8750
Project Name: Fort Mojave Smoke Shop
Project #: 2789

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
MW-1	AZ8750-001	4/11/2014	4/10/2014	Water
MW-5	AZ8750-002	4/11/2014	4/10/2014	Water

Mr. Carney Miller
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Lab Reference # ENT AZ8750
Project Name: Fort Mojave Smoke Shop
Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix		
MW-1	AZ8750-001	4/11/2014	4/10/2014	4/15/2014	4/15/2014	Water		
<u>ANALYTE</u>								
Benzene	CAS # 71-43-2	µg/L 720	<u>ANALYTE</u>					
Bromobenzene	108-86-1	<100	Methyl t-butyl ether (MTBE)	1634-04-4	<100			
Bromoform	74-97-5	<100	Naphthalene	91-20-3	<300			
Bromochloromethane	75-27-4	<100	n-Propylbenzene	103-65-1	<100			
Bromodichloromethane	75-25-2	<100	Styrene	100-42-5	<100			
Bromomethane	74-83-9	<500	1,1,2,2-Tetrachloroethane	79-34-5	<100			
n-Butylbenzene	104-51-8	<100	Tetrachloroethene	127-18-4	<100			
sec-Butylbenzene	135-98-8	<100	Toluene	108-88-3	2600			
tert-Butylbenzene	98-06-6	<100	1,2,3-Trichlorobenzene	87-61-6	<100			
Carbon tetrachloride	56-23-5	<100	1,1,1-Trichloroethane	71-55-6	<100			
Chlorobenzene	108-90-7	<100	1,1,2-Trichloroethane	79-00-5	<100			
Chloroethane	75-00-3	<500	Trichloroethene	79-01-6	<100			
Chloroform	67-66-3	<100	Trichlorofluoromethane	75-69-4	<200			
Chloromethane	74-87-3	<500	1,2,3-Trichloropropane	96-18-4	<100			
2-Chlorotoluene	95-49-8	<100	1,2,4-Trimethylbenzene	95-63-6	390			
4-Chlorotoluene	106-43-4	<100	1,3,5-Trimethylbenzene	108-67-8	100			
Dibromochloromethane	124-48-1	<100	Vinyl Chloride	75-01-4	<200			
1,2-Dibromoethane	106-93-4	<100	Total Xylenes	1330-20-7	1200			
1,2-Dichlorobenzene	95-50-1	<100						
1,3-Dichlorobenzene	541-73-1	<100						
1,4-Dichlorobenzene	106-46-7	<100						
1,1-Dichloroethane	75-34-3	<100						
Dichlorodifluoromethane	75-71-8	<200						
1,2-Dichloroethane	107-06-2	<100						
1,1-Dichloroethene	75-35-4	<50						
cis-1,2-Dichloroethene	156-59-2	<50						
trans-1,2-Dichloroethene	156-60-5	<50						
1,2-Dichloropropane	78-87-5	<100						
1,3-Dichloropropane	142-28-9	<100						
2,2-Dichloropropane	594-20-7	<100						
1,1-Dichloropropene	563-58-6	<100						
cis-1,3-Dichloropropene	10061-01-5	<100						
trans-1,3-Dichloropropene	10061-02-6	<100						
Ethylbenzene	100-41-4	480						
Isopropylbenzene	98-82-8	<100						
4-Isopropyltoluene	99-87-6	<100						
<u>Surrogate:</u>	% RC	Acceptable % RC	<u>Dilution Factor:</u> 100					
Dibromofluoromethane:	93	66-141 %	<u>Data Qualifiers:</u> D2, E2,					
Toluene-d8:	89	68-130 %						
4-Bromofluorobenzene:	84	67-130 %						

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Lab Reference # ENT AZ8750
 Project Name: Fort Mojave Smoke Shop
 Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-5	AZ8750-002	4/11/2014	4/10/2014	4/15/2014	4/15/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl Chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Total Xylenes	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC	<u>Dilution Factor: 1</u>			
Dibromofluoromethane:	94	66-141 %	<u>Data Qualifiers: None</u>			
Toluene-d8:	93	68-130 %				
4-Bromofluorobenzene:	80	67-130 %				

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Lab Reference # ENT AZ8750
 Project Name: Fort Mojave Smoke Shop
 Project #: 2789

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0415142			4/15/2014	4/15/2014	Water
ANALYTE						
Benzene	CAS # 71-43-2	µg/L <0.50	ANALYTE	CAS #	µg/L	
Bromobenzene	108-86-1	<1.0	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0	
Bromoform	74-97-5	<1.0	Naphthalene	91-20-3	<3.0	
Bromochloromethane	75-27-4	<1.0	n-Propylbenzene	103-65-1	<1.0	
Bromodichloromethane	75-25-2	<1.0	Styrene	100-42-5	<1.0	
Bromomethane	74-83-9	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<1.0	
n-Butylbenzene	104-51-8	<1.0	Tetrachloroethene	127-18-4	<1.0	
sec-Butylbenzene	135-98-8	<1.0	Toluene	108-88-3	<1.0	
tert-Butylbenzene	98-06-6	<1.0	1,2,3-Trichlorobenzene	87-61-6	<1.0	
Carbon tetrachloride	56-23-5	<1.0	1,1,1-Trichloroethane	71-55-6	<1.0	
Chlorobenzene	108-90-7	<1.0	1,1,2-Trichloroethane	79-00-5	<1.0	
Chloroethane	75-00-3	<5.0	Trichloroethene	79-01-6	<1.0	
Chloroform	67-66-3	<1.0	Trichlorofluoromethane	75-69-4	<2.0	
Chloromethane	74-87-3	<5.0	1,2,3-Trichloropropane	96-18-4	<1.0	
2-Chlorotoluene	95-49-8	<1.0	1,2,4-Trimethylbenzene	95-63-6	<1.0	
4-Chlorotoluene	106-43-4	<1.0	1,3,5-Trimethylbenzene	108-67-8	<1.0	
Dibromochloromethane	124-48-1	<1.0	Vinyl chloride	75-01-4	<2.0	
1,2-Dibromoethane	106-93-4	<1.0	Xylenes, Total	1330-20-7	<2.0	
1,2-Dichlorobenzene	95-50-1	<1.0				
1,3-Dichlorobenzene	541-73-1	<1.0				
1,4-Dichlorobenzene	106-46-7	<1.0				
1,1-Dichloroethane	75-34-3	<1.0				
Dichlorodifluoromethane	75-71-8	<2.0				
1,2-Dichloroethane	107-06-2	<1.0				
1,1-Dichloroethene	75-35-4	<0.50				
cis-1,2-Dichloroethene	156-59-2	<0.50				
trans-1,2-Dichloroethene	156-60-5	<0.50				
1,2-Dichloropropane	78-87-5	<1.0				
1,3-Dichloropropane	142-28-9	<1.0				
2,2-Dichloropropane	594-20-7	<1.0				
1,1-Dichloropropene	563-58-6	<1.0				
cis-1,3-Dichloropropene	10061-01-5	<1.0				
trans-1,3-Dichloropropene	10061-02-6	<1.0				
Ethylbenzene	100-41-4	<1.0				
Isopropylbenzene	98-82-8	<1.0				
4-Isopropyltoluene	99-87-6	<1.0				
<u>Surrogate:</u>	% RC	Acceptable % RC	<u>Dilution Factor: 1</u>			
Dibromofluoromethane:	94	66-141 %	<u>Data Qualifiers: None</u>			
Toluene-d8:	92	68-130 %				
4-Bromofluorobenzene:	80	67-130 %				

**QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)**
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/15/2014

Date of Analysis: 4/15/2014

Dup Date of Analysis: 4/15/2014

Laboratory Sample #: AZ8750-002

MS/MSD Qualifiers: R2,

Reference #: ENT AZ8750

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.00	7.00	90	70	25	57-131	20	<input checked="" type="checkbox"/>
Benzene	0.00	10.0	11.4	8.80	114	88	26	65-136	20	<input checked="" type="checkbox"/>
Trichloroethene	0.00	10.0	13.0	9.90	130	99	27	66-138	20	<input checked="" type="checkbox"/>
Toluene	0.00	10.0	12.1	9.90	121	99	20	59-130	20	<input type="checkbox"/>
Chlorobenzene	0.00	10.0	12.8	10.0	128	100	25	63-133	20	<input checked="" type="checkbox"/>

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Dibromofluoromethane	94	94	<input type="checkbox"/>
Toluene-d8	92	91	<input type="checkbox"/>
4-Bromofluorobenzene	81	80	<input type="checkbox"/>

LCS	LCSD	Qual
95	93	<input type="checkbox"/>
92	91	<input type="checkbox"/>
80	80	<input type="checkbox"/>

ACP % RC
66-141
68-130
67-130

Laboratory Control Sample

Date of Extraction: 4/15/2014

Date of Analysis: 4/15/2014

Dup Date of Analysis: 4/15/2014

Laboratory Sample #: HT0415142

LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	7.50	7.10	75	71	5	58-136	21	<input type="checkbox"/>
Benzene	10.0	8.90	8.40	89	84	6	68-137	21	<input type="checkbox"/>
Trichloroethene	10.0	9.60	9.40	96	94	2	69-142	21	<input type="checkbox"/>
Toluene	10.0	9.70	9.30	97	93	4	64-130	20	<input type="checkbox"/>
Chlorobenzene	10.0	9.10	8.90	91	89	2	67-133	20	<input type="checkbox"/>

Data Qualifier Definitions

Qualifier

D2 = Sample required dilution due to high concentration of target analyte.

E2 = Concentration estimated. Analyte exceeded calibration range.

AZ8750-001 8260B Toluene

R2 = RPD/RSR exceeded the laboratory acceptance limit.

AZ8750-002 8260B 1,1-Dichloroethene MS/MSD

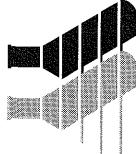
AZ8750-002 8260B Benzene MS/MSD

AZ8750-002 8260B Chlorobenzene MS/MSD

AZ8750-002 8260B Trichloroethene MS/MSD

Definition of terms:

R1	Results Of Laboratory Sample Number
SP CONC	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
%MS	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
%MSD	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$
LCS	Laboratory Control Sample Results
LCSD	Laboratory Control Sample Duplicate Results
%LCS	Percent Recovery Of LCS: $\{(LCS-R1) / SP\} \times 100$
%LCSD	Percent Recovery Of LCSD: $\{(LCSD-R1) / SP\} \times 100$
RPD (for LCS/LCSD)	Relative Percent Difference: $\{(LCS-LCSD) / (LCS+LCSD)\} \times 100 \times 2$
ACP %MS(MSD)	Acceptable Range of Percent
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was required for this analyte; see attached explanation.
ND	Analyte Not Detected



Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

33002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480)

Lab Job No: AU0150
Page 1 of 1

E: Standard: ✓ 24 Hours:
hours.

CUSTOMER INFORMATION

CUSTOMER INFORMATION		PROJECT INFORMATION		REMARKS/PRECAUTIONS			
COMPANY: Environmental Technology Inc	SEND REPORT TO: Carney Miller	PROJECT NAME: FORT MITCHEL MINE SITE	NUMBER: 2789				
EMAIL: carney@enviro-tech-us.com	ADDRESS: 8501 S Hwy 91 North Valley Rd P.O. #2 85034	SAMPLED BY: Carney Miller	PHONE: 602-262-1900 FAX: 602-262-1973	PRESERVATIVE: 428750-001 ANALYSIS REQUESTED: 82263			
ADDRESS: 2541 E University Dr	P.O. #: 85034	SAMPLE ID:	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE
		MW-1	2	4/10/94	1145	H2O	10A X
		MW-5	2	4/10/94	1205	H2O	10A X
Hand							
Total No. of Samples: 2	Method of Shipment:		Preservative: 1 = Ice		Received By: Jim Dugay	Date/Time: 4-11-94 1345	Sample Matrix:
Relinquished By: Jim Dugay	Date/Time: 4-11-94 1345	Received By: Jim Dugay	Date/Time: 4-11-94 1345	DW - Drinking Water	DW - Drinking Water	WW - Wastewater	
Relinquished By: Jim Dugay	Date/Time: 4-11-94 1345	Received By: Jim Dugay	Date/Time: 4-11-94 1345	GW - Groundwater	GW - Groundwater	SS - Soil/Solid	
Relinquished By: Jim Dugay	Date/Time: 4-11-94 1345	Received For Lab By: Jim Dugay	Date/Time: 4-11-94 1345	Sample Integrity: Intact	Sample Integrity: Intact	OT - Other	
				On Ice	On Ice	66 °C	

APPENDIX B. Field Parameter Measurements

Appendix B. Purge Parameter Report

Well ID	Date	Time	Volume	pH	Conductivity	Temperature	Turbidity	Color	Odor
MW-1	3/19/2014	17:09	7.5	7.19	1,268	78.9	Clear	Clear	Strong Petroleum
MW-1	3/19/2014	17:12	15.0	7.22	1,299	77.7	Clear	Clear	Strong Petroleum
MW-1	3/19/2014	17:15	22.5	7.27	1,307	77.5	Clear	Clear	Petroleum
MW-1	3/19/2014	17:18	30.0	7.25	1,316	77.1	Clear	Clear	Petroleum
MW-1	3/19/2014	17:21	37.5	7.26	1,327	77.7	Clear	Clear	Petroleum
MW-1	3/19/2014	17:23	42.5	7.25	1,313	77.4	Clear	Clear	Petroleum
MW-2	3/19/2014	12:30	7.5	7.12	1,103	75.0	Clear	Clear	None
MW-2	3/19/2014	12:33	15.0	7.28	1,118	75.4	Clear	Clear	None
MW-2	3/19/2014	12:36	22.5	7.30	1,102	75.4	Clear	Clear	None
MW-2	3/19/2014	12:39	30.0	7.32	1,097	75.5	Clear	Clear	None
MW-2	3/19/2014	12:42	37.5	7.31	1,102	75.7	Clear	Clear	None
MW-3	3/19/2014	13:18	7.5	7.09	1,376	79.2	Clear	Clear	None
MW-3	3/19/2014	13:21	15.0	7.23	1,370	78.1	Clear	Clear	None
MW-3	3/19/2014	13:24	22.5	7.26	1,365	77.7	Clear	Clear	None
MW-3	3/19/2014	13:27	30.0	7.25	1,369	77.2	Clear	Clear	None
MW-3	3/19/2014	13:30	37.5	7.26	1,366	77.7	Clear	Clear	None
MW-3	3/19/2014	13:32	42.5	7.27	1,375	77.5	Clear	Clear	None
MW-4	3/19/2014	14:03	7.5	7.09	1,936	78.7	Clear	Clear	None
MW-4	3/19/2014	14:06	15.0	7.11	1,933	78.0	Clear	Clear	None
MW-4	3/19/2014	14:09	22.5	7.10	1,920	77.5	Clear	Clear	None
MW-4	3/19/2014	14:12	30.0	7.12	1,940	77.3	Clear	Clear	None
MW-4	3/19/2014	14:15	37.5	7.11	1,918	77.4	Clear	Clear	None
MW-4	3/19/2014	14:17	42.5	7.12	1,933	77.4	Clear	Clear	None
MW-5	3/19/2014	16:20	7.5	6.98	1,507	81.0	Clear	Clear	None

Volume is reported in gallons.

Conductivity is reported in micromhos per cm.

Temperature is reported in degrees Fahrenheit.

Appendix B.
 Page 1 of 2

Appendix B. Purge Parameter Report

Well ID	Date	Time	Volume	pH	Conductivity	Temperature	Turbidity	Color	Odor
MW-5	3/19/2014	16:23	15.0	7.09	1,495	79.0	Clear	Clear	None
MW-5	3/19/2014	16:26	22.5	7.13	1,502	78.3	Clear	Clear	None
MW-5	3/19/2014	16:29	30.0	7.18	1,500	77.7	Clear	Clear	None
MW-5	3/19/2014	16:32	37.5	7.16	1,505	77.4	Clear	Clear	None
MW-5	3/19/2014	16:34	42.5	7.16	1,502	78.1	Clear	Clear	None
MW-6	3/19/2014	14:45	7.5	7.10	1,893	78.6	Clear	Clear	None
MW-6	3/19/2014	14:48	15.0	7.11	1,887	78.4	Clear	Clear	None
MW-6	3/19/2014	14:51	22.5	7.12	1,870	78.3	Clear	Clear	None
MW-6	3/19/2014	14:54	30.0	7.13	1,870	78.3	Clear	Clear	None
MW-6	3/19/2014	14:57	37.5	7.15	1,867	78.4	Clear	Clear	None
MW-6	3/19/2014	15:00	45.0	7.14	1,865	78.5	Clear	Clear	None
MW-7	3/19/2014	15:35	7.5	6.92	1,999	83.2	Clear	Clear	None
MW-7	3/19/2014	15:38	15.0	6.95	1,981	81.7	Clear	Clear	None
MW-7	3/19/2014	15:41	22.5	6.99	1,990	80.3	Clear	Clear	None
MW-7	3/19/2014	15:44	30.0	6.97	1,967	80.4	Clear	Clear	None
MW-7	3/19/2014	15:47	37.5	7.02	1,969	80.0	Clear	Clear	None
MW-7	3/19/2014	15:50	45.0	7.01	1,970	80.1	Clear	Clear	None

Volume is reported in gallons.

Conductivity is reported in micromhos per cm.

Temperature is reported in degrees Fahrenheit.

Appendix B.
Page 2 of 2